

1636

OIIPE

#29

RAW SEQUENCE LISTING

DATE: 08/21/2001

PATENT APPLICATION: US/08/930,480C

TIME: 08:22:48

Input Set : A:\st95021splt.txt

Output Set: N:\CRF3\08212001\H930480C.raw

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TECH CENTER 1600/2900

DEC 21 2001

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19

17

3 <110> APPLICANT: BRACCO, Laurent
 4 SCHWEIGHOFFER, Fabien
 5 TOCQUE, Bruno
 7 <120> TITLE OF INVENTION: Conditional Expression System
 9 <130> FILE REFERENCE: ST95021-US
 11 <140> CURRENT APPLICATION NUMBER: 08/930,480C
 12 <141> CURRENT FILING DATE: 1998-01-21
 14 <150> PRIOR APPLICATION NUMBER: PCT/FR96/00477
 15 <151> PRIOR FILING DATE: 1996-03-29
 17 <150> PRIOR APPLICATION NUMBER: FR95/-3841
 18 <151> PRIOR FILING DATE: 1995-03-31
 20 <160> NUMBER OF SEQ ID NOS: 35
 22 <170> SOFTWARE: PatentIn version 3.0
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 19
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Escherichia coli
 29 <400> SEQUENCE: 1
 30 tctctatcac tgataggga
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 17
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Bacteriophage lambda
 38 <400> SEQUENCE: 2
 39 tatcaccgca aggata
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 74
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Homo sapiens
 47 <400> SEQUENCE: 3
 49 Lys Lys Pro Leu Asp Gly Glu Tyr Phe Thr Leu Gln Ile Arg Gly Arg
 50 1 5 10 15
 52 Glu Arg Phe Glu Met Phe Arg Glu Leu Asn Glu Ala Leu Glu Leu Lys
 53 20 25 30
 55 Asp Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser
 56 35 40 45
 58 His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 59 50 55 60
 61 Met Phe Lys Thr Glu Gly Pro Asp Ser Asp
 62 65 70
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 768
 66 <212> TYPE: DNA
 C--> 67 <213> ORGANISM: Artificial
 69 <220> FEATURE:
 70 <223> OTHER INFORMATION: ScFv against p53
 72 <400> SEQUENCE: 4

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73 ttactcgcgg cccagccggc catggcccag gtgcagctgc agcagtctgg ggcagagctt      60
75 gtaaggctcag gggcctcagt caagttgtcc tgcacagctt ctggcttcaa cattaaagac      120
77 tactatatgc actgggtgaa gcagaggcct gaacagggcc tggagtggat tggatggatt      180
79 gatcctaaga atgggtgatac tgaatatgcc ccgaagttcc agggcaaggc cactatgact      240
81 gcagacacat cctccaatac agcctacctg cagctcagca gcctggcatc tgaggacact      300
83 gccgtgtatt attgtaattt ttacggggat gctttggact attggggcca agggaccacg      360
85 gtcaccgtct cctcaggtgg aggcgggttca ggcggaggtg gctctggcgg tggcggatcg      420
87 gatgttttga tgacccaaac tccactcact ttgtoggtta ccattggaca accagcctcc      480
89 atctcttgca agtcaagtca gagcctcttg gatagtgatg gaaaaacata tttgaattgg      540
91 ttgttacaga ggccaggcca gtctccaaag cgctaatact atctggtgtc taaactggac      600
93 tctggagtcc ctgacagggt cactggcagt ggatcaggga cagatttcac acttaaaatc      660
95 aacagagtgg aggctgagga tttgggagtt tattattgct ggcaaggtae acattctccg      720
97 cttacgttcg gtgctggcag caagctggaa attaaacggg cggccgca      768
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 15
102 <212> TYPE: PRT
C--> 103 <213> ORGANISM: Artificial
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Peptide linker (hinge)
108 <400> SEQUENCE: 5
110 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
111 1          5          10          15
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 10
115 <212> TYPE: PRT
C--> 116 <213> ORGANISM: Artificial
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Peptide linker
121 <400> SEQUENCE: 6
123 Pro Lys Pro Ser Thr Pro Pro Gly Ser Ser
124 1          5          10
126 <210> SEQ ID NO: 7
127 <211> LENGTH: 30
128 <212> TYPE: DNA
C--> 129 <213> ORGANISM: Artificial
131 <220> FEATURE:
132 <223> OTHER INFORMATION: DNA encoding peptide linker
134 <400> SEQUENCE: 7
135 cccaagccca gtaccccccc aggtttctca      30
138 <210> SEQ ID NO: 8
139 <211> LENGTH: 6
140 <212> TYPE: PRT
C--> 141 <213> ORGANISM: Artificial
143 <220> FEATURE:
144 <223> OTHER INFORMATION: VSV epitope (tag peptide sequence)
146 <400> SEQUENCE: 8
148 Met Asn Arg Leu Gly Lys
149 1          5
151 <210> SEQ ID NO: 9

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Input Set : A:\st95021sqli.txt

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153 <212> TYPE: DNA
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156 <220> FEATURE:
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160 atgaaccggc tgggcaag
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 11
165 <212> TYPE: PRT
C--> 166 <213> ORGANISM: Artificial
168 <220> FEATURE:
169 <223> OTHER INFORMATION: myc epitope (peptide tag sequence)
171 <400> SEQUENCE: 10
173 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn
174 1 5 10
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 33
178 <212> TYPE: DNA
C--> 179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: DNA encoding myc epitope
184 <400> SEQUENCE: 11
185 gaacaaaaac tcatttcaga agaggatctg aat
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 7
190 <212> TYPE: PRT
C--> 191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: SV40 virus nuclear localization peptide
196 <400> SEQUENCE: 12
198 Pro Lys Lys Lys Arg Lys Val
199 1 5
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 4
203 <212> TYPE: PRT
C--> 204 <213> ORGANISM: Artificial
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Repeating unit of cationic polymer
209 <400> SEQUENCE: 13
211 Leu Lys Leu Lys
212 1
214 <210> SEQ ID NO: 14
215 <211> LENGTH: 4
216 <212> TYPE: PRT
C--> 217 <213> ORGANISM: Artificial
219 <220> FEATURE:
220 <223> OTHER INFORMATION: repeating unit of cationic polymer
222 <400> SEQUENCE: 14

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Input Set : A:\st95021sqli.txt

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224 Leu Lys Lys Leu
225 1
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228 <211> LENGTH: 23
229 <212> TYPE: DNA
C--> 230 <213> ORGANISM: Artificial
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233 <223> OTHER INFORMATION: plasmid fragment
235 <400> SEQUENCE: 15
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239 <210> SEQ ID NO: 16
240 <211> LENGTH: 23
241 <212> TYPE: DNA
C--> 242 <213> ORGANISM: Artificial
244 <220> FEATURE:
245 <223> OTHER INFORMATION: pcr primer
247 <400> SEQUENCE: 16
248 agctttatcc ctgcggtga tag                23
251 <210> SEQ ID NO: 17
252 <211> LENGTH: 76
253 <212> TYPE: DNA
C--> 254 <213> ORGANISM: Artificial
256 <220> FEATURE:
257 <223> OTHER INFORMATION: pcr primer
259 <400> SEQUENCE: 17
260 ggctctagac ccaagcccag tccccccca ggttcttcaa cgcgtggatc catgtccaga    60
262 ttagataaaa gtaaag                        76
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 51
267 <212> TYPE: DNA
C--> 268 <213> ORGANISM: Artificial
270 <220> FEATURE:
271 <223> OTHER INFORMATION: pcr primer
273 <400> SEQUENCE: 18
274 cgtacggaat tcgggccctt actcgaggga ccactttca catttaagtt g          51
277 <210> SEQ ID NO: 19
278 <211> LENGTH: 76
279 <212> TYPE: DNA
C--> 280 <213> ORGANISM: Artificial
282 <220> FEATURE:
283 <223> OTHER INFORMATION: pcr primer
285 <400> SEQUENCE: 19
286 ggctctagac ccaagcccag tccccccca ggttcttcaa cgcgtggatc catggaacaa    60
288 cgcataaccc tgaaag                        76
291 <210> SEQ ID NO: 20
292 <211> LENGTH: 51
293 <212> TYPE: DNA
C--> 294 <213> ORGANISM: Artificial
296 <220> FEATURE:

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Input Set : A:\st95021sqli.txt

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297 <223> OTHER INFORMATION: pcr primer
299 <400> SEQUENCE: 20
300 cgtacggaat tcggggccctt actcgagtg c tggtgtttt ttgttactcg g 51
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 35
305 <212> TYPE: DNA
C--> 306 <213> ORGANISM: Artificial
308 <220> FEATURE:
309 <223> OTHER INFORMATION: pcr primer
311 <400> SEQUENCE: 21
312 caggccatgg catgaagaaa ccactggatg gagaa 35
315 <210> SEQ ID NO: 22
316 <211> LENGTH: 43
317 <212> TYPE: DNA
C--> 318 <213> ORGANISM: Artificial
320 <220> FEATURE:
321 <223> OTHER INFORMATION: pcr primer
323 <400> SEQUENCE: 22
324 cgtcgatcc tctagatgcg gccgcgtctg agtcaggccc ttc 43
327 <210> SEQ ID NO: 23
328 <211> LENGTH: 31
329 <212> TYPE: DNA
C--> 330 <213> ORGANISM: Artificial
332 <220> FEATURE:
333 <223> OTHER INFORMATION: pcr primer
335 <400> SEQUENCE: 23
336 caggctcgag aagaaaccac tggatggaga a 31
339 <210> SEQ ID NO: 24
340 <211> LENGTH: 61
341 <212> TYPE: DNA
C--> 342 <213> ORGANISM: Artificial
344 <220> FEATURE:
345 <223> OTHER INFORMATION: pcr primer
347 <400> SEQUENCE: 24
348 caggctcgag cccaagccca gtaccccccc aggttcttca aagaaaccac tggatggaga 60
350 a 61
353 <210> SEQ ID NO: 25
354 <211> LENGTH: 37
355 <212> TYPE: DNA
C--> 356 <213> ORGANISM: Artificial
358 <220> FEATURE:
359 <223> OTHER INFORMATION: pcr primer
361 <400> SEQUENCE: 25
362 ggtcgaattc gggccctcag tctgagtcag gcccttc 37
365 <210> SEQ ID NO: 26
366 <211> LENGTH: 29
367 <212> TYPE: DNA
C--> 368 <213> ORGANISM: Artificial
370 <220> FEATURE:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/08/930,480C

DATE: 08/21/2001

TIME: 08:22:49

Input Set : A:\st95021splt.txt

Output Set: N:\CRF3\08212001\H930480C.raw

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L:129 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
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L:191 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:204 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:217 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:230 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:242 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:254 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:268 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:280 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:294 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:306 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:318 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:330 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:342 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:356 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:368 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:380 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27
L:392 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28
L:404 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29
L:416 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:428 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
L:440 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
L:452 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:464 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:476 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35